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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XI, No. 11 — McKEE PRINT. — NOVEMBER, 1963

Production of crude oil and condensate from the oil and gas areas of Montana for the Month of November, 1963, averaged 82,906 barrels daily, a decrease of 1,184 barrels from the average October production of 84,090.

The eight refineries in State processed 80,022 barrels of crude oil daily for the month of November, 1963, an increase of 8,874 barrels from the 71,148 barrels processed daily during the month of October, 1963.

During November, 28 wells were completed, 6 oil, 2 gas wells and 20 dry holes.

During November, the commission issued 34 permits to drill new wells, a decrease of 14 from the 48 permits issued during October.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA
MONTH OF NOVEMBER, 1963

IN STORAGE NOVEMBER 1st:	
By Producers	341,635
By Transporters	931,630
By Refiners	544,252
TOTAL STORAGE	1,817,517
Produced in Montana During Month	2,487,183
Imported During Month	1,429,550
TOTALS	5,734,250
DISPOSITION:	
Refined in Montana	2,400,664
Exported	1,511,330
Used for Fuel or Lost	11,118
TOTAL	3,923,112
IN STORAGE NOVEMBER 30th:	
By Producers	335,643
By Transporters	952,889
By Refiners	522,606
TOTAL STORAGE	1,811,138

NATURAL GAS WITHDRAWALS IN MONTANA
Month of November, 1963

Field	M Cu. Ft.
Bears Den	0
Big Coulee	100,643
Bowdoin	195,350
Bowes	77,051
Cabin Creek	105,562
Cedar Creek	309,051
Cut Bank (including Reagan)	783,330
Devon	0
Dry Creek	147,623
Elk Basin	29,837
Flat Coulee	4,187
Gold Butte	0
Golden Dome	15,362
Grandview	0
Hardin	4,791
Keith Block	236,638
Kevin Sunburst	80,226
Middle Butte	32,907
Pine	56,552
Plevna	18,822
Utopia	90,140
Whitlash	76,070
Miscellaneous	15,253
TOTAL	2,379,395

Total Withdrawals for November, 1962 were 2,844,886 M Cu. Ft.

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PRODUCERS REPORT—MONTH OF NOVEMBER, 1963

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	975	2,071	.....	2,202	.....	844
4	Bannatyne	8	1,048	1,093	.....	1,230	.....	911
1	Bascom	1	137	257	192	.....	.....	202
4	Bear's Den	4	1,352	2,621	.....	2,473	.....	1,500
1	Belfry	1	221	302	.....	338	.....	185
1	Benrud	1	571	1,350	1,400	.....	.....	521
1	Benrud East	1	799	15,435	15,522	.....	.....	712
8	Big Wall	29	2,219	23,391	22,902	305	.....	2,403
10	Blackfoot	15	2,708	8,640	5,397	3,749	.....	2,202
4	Border	4	253	1,255	.....	1,467	.....	41
1	Bowes	72	3,612	13,572	14,049	.....	.....	3,135
1	Brady	2	.....	936	936	.....	.....	.....
1	Bredette North	1	886	103	.....	.....	.....	989
2	Cabin Creek	113	13,989	264,765	268,850	.....	114	9,790
14	Cat Creek	95	2,668	22,395	21,949	.....	.....	3,114
1	Clark's Fork	1	183	266	.....	236	.....	213
1	Clark's Fork North	1	1,993	373	.....	482	.....	1,884
2	Conrad South	2	374	421	411	.....	.....	384
1	Cupton	1	1,417	1,093	.....	1,180	.....	1,330
138	Cut Bank	1,100	119,100	139,056	145,660	.....	174	112,322
3	Deer Creek	6	1,960	7,642	8,234	.....	.....	1,368
2	Delphia	2	429	886	.....	627	1	687
....	Devil's Basin	....	1,194	.....	.....	.....	.....	1,194
4	Dry Creek	4	869	344	296	.....	.....	917
20	Dwyer	21	7,906	45,681	45,077	.....	5	8,505
9	Elk Basin	59	3,879	271,252	272,272	.....	.....	2,859
1	Fertile Prairie	1	483	1,125	1,126	.....	.....	482
5	Flat Coulee	23	3,823	37,227	.....	35,249	.....	5,801
2	Frannie	2	.....	1,631	1,631	.....	.....	.....
4	Fred & George Creek	4	194	17,189	16,794	.....	.....	589
1	Gage	1	503	340	529	.....	6	308
4	Gas City	28	3,393	75,548	71,347	2,333	.....	5,261
6	Glendive	11	1,283	36,982	27,498	8,974	.....	1,793
6	Goose Lake	7	2,421	15,545	.....	16,314	.....	1,652
7	Graben Coulee	16	4,364	7,171	7,172	.....	22	4,341
5	Gypsy Basin	6	1,506	3,688	2,390	.....	3	2,801
1	Hibbard	1	245	917	.....	986	.....	176
9	Ivanhoe	17	2,924	30,146	29,479	.....	120	3,471
6	Keg Coulee	15	4,122	24,909	25,513	.....	.....	3,518
134	Kevin Sunburst	801	14,478	39,075	37,963	.....	20	15,570
2	Little Beaver	24	3,745	29,018	29,470	338	.....	2,955
3	Little Beaver East	19	2,541	21,401	21,427	.....	.....	2,515
3	Lone Tree	3	1,144	5,559	.....	5,860	.....	843
24	Lookout Butte	67	5,086	170,102	167,481	3,135	.....	4,572
....	MacKay Dome	....	770	.....	.....	.....	.....	770
2	Melstone	4	1,032	3,636	3,144	.....	.....	1,524
6	Monarch	16	3,025	17,756	16,603	.....	.....	4,178
4	Mosser	4	.....	795	.....	795	.....	.....
1	Musselshell	1	350	107	.....	149	.....	308
7	Outlook	11	5,158	30,147	29,067	.....	.....	6,238
3	Outlook South	3	1,047	2,112	833	.....	.....	2,326
54	Pennel	91	5,465	206,215	206,490	.....	.....	5,190
4	Pine	134	8,591	335,375	337,662	801	.....	5,503
75	Pondera	327	8,159	34,843	35,477	.....	.....	7,525
2	Pondera Coulee	2	.....	282	282	.....	.....	.....
5	Poplar East	83	16,307	125,744	127,292	.....	16	14,743
4	Poplar Northwest	5	1,639	1,902	974	.....	.....	2,567
6	Ragged Point	9	3,442	8,839	9,486	.....	.....	2,795
3	Reagan	48	2,772	18,126	17,625	.....	.....	3,273
9	Red Creek	23	3,612	43,937	42,422	1,589	.....	3,538
1	Redstone	1	423	945	692	.....	.....	676
1	Repeat	1	190	1,633	.....	1,571	.....	252
5	Richey	9	3,860	4,913	5,846	.....	.....	2,927
6	Richey Southwest	7	2,715	17,649	9,303	7,861	.....	3,200
4	Sand Creek	5	4,818	7,698	8,683	.....	.....	3,833
7	Sidney-Brorson	7	3,719	4,953	.....	5,203	.....	3,469
1	Snyder	1	1,824	73	.....	.....	.....	1,897
5	Soap Creek	9	3,419	4,580	.....	5,871	.....	2,128
2	Spring Lake	3	1,915	15,505	.....	13,769	.....	3,651
2	Stensvad	24	7,726	41,509	41,754	.....	.....	7,481
31	Sumatra	97	11,723	123,513	118,952	.....	852	15,432
7	Tule Creek	8	2,573	56,493	56,311	.....	.....	2,755
2	Vida	2	672	2,769	.....	2,792	.....	649
13	Whitlash	33	6,755	8,236	.....	8,181	.....	6,810
3	Whitlash West	3	520	772	.....	622	.....	670
9	Wolf Springs	16	3,655	12,785	12,578	.....	.....	3,862
4	Woodrow	6	447	8,714	8,903	.....	.....	258
1	Wildcat, Roosevelt Cty	1	315	1,854	.....	1,814	.....	355
747		3,588	341,635	2,487,183	2,353,346	138,496	1,333	335,643

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1962	31,647,507	86,705	31,739,123	86,956
First Quarter, 1963	7,700,475	86,522	7,645,115	85,900
Second Quarter, 1963	7,698,583	84,600	7,718,750	84,821
Third Quarter, 1963	7,777,639	84,539	7,792,867	84,705
October, 1963	2,606,811	84,090	2,610,178	84,199
November, 1963	2,487,183	82,906	2,491,842	83,061

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1962	350,355	917,246	595,843	1,863,444
March, 1963	391,644	915,187	407,232	1,714,063
June, 1963	367,601	901,594	396,726	1,665,921
September, 1963	348,051	888,150	385,329	1,621,530
October, 1963	341,635	931,630	544,252	1,817,517
November, 1963	335,643	952,889	522,606	1,811,138

*Includes Wyoming Oil.

TRANSPORTER'S REPORT—MONTH OF NOVEMBER, 1963

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,202				2,202		
BANNATYNE—Truck			1,230					1,230	
BEAR'S DEN—Truck			2,473					2,473	
BELFRY—Truck			338				338		
BIG WALL—McWood Corp.			305			305			
Glacier Pipeline Co.		22,807				22,807			
		22,807	305			23,112			
BLACKFOOT—Union Oil Co.		5,397						5,397	
Truck			3,749					3,749	
		5,397	3,749					9,146	
BORDER—Truck			1,467			210	1,257		
BOWES—Texaco, Inc.		14,049				14,049			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	290,536	844,183	28,985	680,774			1,515,078		329,400
Shell Pipeline Corp.	6,343	368,984		664	495			371,379	4,117
	296,879	1,213,167	28,985	681,438	495		1,515,078	371,379	333,517
CAT CREEK									
Glacier Pipeline Co.		18,700				18,700			
CLARK'S FORK—Truck			718				718		
CUT BANK									
Darling Gathering System, Inc.	4,744	5,934						3,769	6,909
Glacier Pipeline Co.				152,386			152,386		
Phillips Petroleum Co.	18,109	48,493		54,710	1,536	63,282		15,127	41,367
Texas Pipeline Co.	21,101	23,942		20,188	72			47,912	17,247
Teton Pipeline Corp.	92,525	26,647		97,898	188			157,234	59,648
Union Oil Co.	69,732	66,807		26,205	721	88,934			73,089
	206,211	171,823		351,337	2,517	152,216	152,386	224,042	198,260
DELPHIA—Truck			627			627			
DRY CREEK—									
Marathon Pipeline Co.	7,015	297			135				7,177
DWYER—Hunt Petroleum Corp.		45,077					45,077		
ELK BASIN—Marathon Pipeline Co.		268,788				268,788			
FLAT COULEE—Truck			35,249					35,249	
FRANNIE—Marathon Pipeline Co.		1,631					1,631		
GAGE—Glacier Pipeline Co.		529				529			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	7,475	62,068			(400)		12,966	46,235	10,742
GOOSE LAKE—Truck			16,314				16,314		
HIBBARD—Truck			986			986			
IVANHOE—Glacier Pipeline Co.		29,836				29,836			
KEG COULEE—									
Glacier Pipeline Co.		24,973				24,973			
KEVIN SUNBURST—									
Big West Oil Co.	4,109	24,977		52,043		71,005			10,124
Homestake Oil & Gas Co.	3,377	2,253		3,768		3,885			5,513
Texas Pipeline Co.	11,137	16,677			258			20,188	7,368
	18,623	43,907		55,811	258	74,890		20,188	23,005
LONE TREE—Truck			5,860				5,860		
MELSTONE—									
Glacier Pipeline Co.		3,595				3,595			
MOSSER—Truck			795				795		
MUSSELSHELL—Truck			149					149	
PONDERA—Phillips Petr. Co.	30,113	36,301		15,127	1,062	56,980			23,499
POPLAR, BENRUD, BREDETTE, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY & TULE CREEK									
East Poplar Gathering System	30,158	237,365			206			263,160†	4,157
RAGGED POINT—									
Glacier Pipeline Co.		8,947				2,538	6,409		
RED CREEK—Teton Pipeline Co.		48,439			485			47,954	
Mountain Crude			1,589	6,732				8,321	
		48,439	1,589	6,732	485			56,275	
SIDNEY-BRORSON									
McWood Corp.	6,541		5,203	9,258		14,929			6,073
SOAP CREEK—McWood Corp.	5,137		5,871			4,295			6,713
SPRING LAKE—Truck			13,769				13,769		
SUMATRA AND STENSVAD—									
Glacier Pipeline Co.	323,478	160,370		350,631	3,933	131,394		359,406	339,746
WHITLASH—Truck			8,803			8,803			
WOLF SPRINGS—									
Glacier Pipeline Co.		12,571				12,571			
WILDCAT WELLS—									
Roosevelt County			1,814				1,814		
TOTALS	931,630	2,430,637	138,496	1,470,384	8,691	844,021	1,776,614	1,388,932	952,889

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat and Richey

†Transferred to Butte Pipeline Company.

Montana School of Mines
Attn: Mrs. Peck, Librarian
Butte, Montana

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF NOVEMBER, 1963

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Rfg. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall	.....	.....	.....	23,112	.....	.....	.....	.....	23,112
Blackfoot	.....	.....	.....	.....	.....	.....	.....	9,146	9,146
Bowes	.....	.....	11,868	.....	.....	.....	.....	.....	11,868
Cat Creek	.....	9,577	.....	9,050	.....	1,803	.....	.....	20,430
Cut Bank	.....	.....	.....	.....	.....	.....	79,823	72,393	152,216
Delphia	.....	.....	.....	.....	.....	815	.....	.....	815
Devil's Basin	.....	.....	.....	.....	.....	305	.....	.....	305
Dry Creek	.....	.....	.....	262	.....	.....	.....	.....	262
Elk Basin	.....	106,183	.....	71,207	91,398	.....	.....	.....	268,788
Flat Coulee	35,249	.....	.....	.....	.....	.....	.....	.....	35,249
Fred & George Creek	16,794	.....	.....	.....	.....	.....	.....	.....	16,794
Hibbard	.....	.....	.....	.....	.....	836	.....	.....	836
Ivanhoe	.....	1,779	.....	.....	24,309	.....	.....	.....	26,088
Keg Coulee	.....	.....	.....	24,973	.....	.....	.....	.....	24,973
Kevin Sunburst	29,661	.....	.....	.....	.....	.....	.....	12,988	42,649
Lookout Butte	.....	89,780	.....	.....	.....	.....	.....	.....	89,780
Pondera	.....	.....	.....	.....	.....	.....	40,912	16,068	56,980
Poplar	.....	.....	.....	.....	23,400	.....	.....	.....	23,400
Red Creek	.....	.....	.....	.....	25,590	.....	.....	.....	25,590
Sumatra & Stensvad	.....	27,243	.....	104,151	.....	.....	.....	.....	131,394
Wolf Springs	.....	.....	.....	.....	10,439	.....	.....	.....	10,439
Total Montana Oil	81,704	234,562	11,868	232,755	175,136	3,759	120,735	110,595	971,114
Canadian Oil Imported	.....	107,769	.....	.....	87,892	.....	.....	.....	195,661
Wyoming Oil Imported	.....	193,126	.....	364,082	673,343	3,338	.....	.....	1,233,889
Total Montana, Canadian & Wyoming Oil	81,704	535,457	11,868	596,837	936,371	7,097	120,735	110,595	2,400,664

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1962	30,616	728	45,775	77,119
November, 1962	30,359	2,582	41,158	74,099
November, 1963	32,370	6,522	41,130	80,022

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1962	39.69%	.96%	59.35%
November, 1962	40.97%	3.49%	55.54%
November, 1963	40.45%	8.16%	51.39%